

*Horothy*

CORRESP CONTROL  
OUTGOING LTR NO

0013841



000024631

Rocky Flats Plant  
North American Space Operations  
Rockwell International Corporation  
P.O. Box 464  
Golden, Colorado 80402-0464  
(303) 966-7000

Rockwell  
International

Contractor to U.S. Department of Energy

*WS-LT-00105*

87-RF-1739

MAR 6 1987

Albert E. Whiteman  
Area Manager  
DOE, RFAO

Attn: Ron Reed

SURFACE RUNOFF OF SPRAY IRRIGATED WATER FROM THE  
SEWAGE TREATMENT PLANT EFFLUENT  
NPDES PERMIT NO. CO-0001333

Management requirements in our NPDES permit, page 16, part 5, require prompt notification to the EPA Regional Administrator and the State in writing of each diversion or bypass. Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit.

According to the requirements of this NPDES permit, treated sanitary sewage from the Rocky Flats Sewage Treatment Plant must be spray irrigated and there shall be no discharge from Pond B-3 except when weather conditions (precipitations, snow melt, and/or extreme low temperatures) result.

Spray irrigation of the treated sanitary sewage has been done in accordance with good engineering practices since 1979 at Rocky Flats. However, on March 2, 1987, because of the degree of saturation of the spray fields with snow melt, some surface runoff of the treated sanitary sewage was experienced. The combined snow melt, treated sanitary sewage, and natural drainage in the area flowed into the Woman Creek drainage. This water circumvented the permitted NPDES discharge locations resulting in a technical violation of the Rocky Flats NPDES permit.

| CORRESP CONTROL         |   |
|-------------------------|---|
| OUTGOING LTR NO         |   |
| DIST                    |   |
| SANCHINI, D.J.          | X |
| BENJAMIN, A             |   |
| ADAMS, M.L.             |   |
| BADER, C.P.             | X |
| CAMPBELL, G.W.          | X |
| HOOD, R.C.              |   |
| KINZER, J.E.            |   |
| LANGHEIM, G.R.          |   |
| McNETT, J.F.            |   |
| PETERSON, R.G.          |   |
| SHANNON, W.M.           |   |
| SMITH, R.E.             |   |
| VEJVODA, E.             |   |
| WEIDNER, C.W.           |   |
| WESTON, W.F.            |   |
| WILSON, G.L.            |   |
| WOZNAK, B.D.            |   |
| YODER, R.E.             |   |
| YOUNGER, E.             |   |
| <i>Meyers, G.W.</i>     | X |
|                         |   |
| BETCHER, D.H.           |   |
| CHANDA, R.N.            |   |
| FREIBERG, K.J.          |   |
| HARMAN, L.K.            |   |
| HEBERT, J.L.            |   |
| HOEY, J.B.              |   |
| HOFFMAN, R.B.           |   |
| KRIEG, D.M.             |   |
| LIM, B.W.               |   |
| LOUDENBURG, G.E.        |   |
| NAIMON, E.R.            |   |
| NEWBY, R.L.             |   |
| TURNER, H.L.            |   |
| VELASQUEZ, R.N.         |   |
|                         |   |
| CORRESP CONTROL         | X |
| <i>G.H. Sefrock</i>     | X |
| <i>G.L. Potter</i>      | X |
| <i>R.L. Henry</i>       | X |
| <i>C. Rose</i>          | X |
| <i>K. Shirk</i>         | X |
|                         |   |
| CLASSIFICATION          |   |
| UNCLASSIFIED            | X |
| CONFIDENTIAL            |   |
| SECRET                  |   |
| AUTH CLASSIFIER SIG     |   |
| <i>[Signature]</i>      |   |
| DATE                    |   |
| <i>3-4-87</i>           |   |
| IN REPLY TO LTR. NO.    |   |
|                         |   |
| LTR. APPROVALS          |   |
| <i>Bader, C.</i>        |   |
| <i>[Signature]</i>      |   |
|                         |   |
| ORIG. & TYPIST INITIALS |   |
| <i>[Initials]</i>       |   |

ADMIN RECORD

SW-A-003962

ORIG. & TYPIST INITIALS  
*RF 40459 (8/86)* 112

A. E. Whiteman

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MAK 5 1987

87-RF-1739

Analytical results from the treated sanitary sewage effluent at the advanced waste water treatment plant showed good water quality and no adverse impact is expected on Woman Creek.

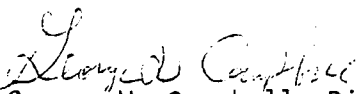
The corrective actions being taken to preclude a reoccurrence of this surface runoff are:

- (1) Installation of a second spray irrigation field which will increase the acreage for spray irrigated water.
- (2) Discharge the treated sanitary sewage through Discharge Location 001 when weather conditions prevent proper spray irrigation.
- (3) Installation of a perimeter trench around the primary spray field to divert surface flows into Location 007 as an engineering safeguard. (feasibility study ongoing)
- (4) Enhance administrative controls by Rockwell personnel to provide additional surveillance of the spray irrigation fields.

Please notify the following people by March 6, 1987.

Mr. Pat Godsil, Chief  
Compliance Branch  
Water Management Division  
U. S. Environmental Protection Agency, Region VIII  
One Denver Place  
999 - 18th Street, Suite 1300  
Denver, CO 80202-2413

Colorado Department of Health  
Attn: Stanley V. May  
Monitoring and Enforcement Section  
Water Quality Division  
4210 East Eleventh Avenue  
Denver, CO 80220

  
George W. Campbell, Director  
Health, Safety and Environment

Orig. and 1 cc - A. E. Whiteman